12-22-2004

(FORM PTO-1595 Rec (Rev. 10/02) OMD No. 0651-0011 (exp. 6/30/2005)	DEPARTMENT OF COMMERCE Patent and Trademark Office					
- ✓	10	2908830					
ノ	To the Honorable Commissioner of Patents and Trademarks. Ple	ase record the attached original documents or copy thereof.					
,0	Name of conveying party(ies):	2. Name and address of receiving party(ies):					
0	Tim Frodsham; Naveen Cherukuri; Sanjay Dabral; David S. Dunning; Theodore Z. Schoenborn; Lakshminarayan	Name: Intel Corporation					
0	Krishnamurty						
0.0		Internal Address:					
	Additional name(s) of conveying party(ies) attached?						
·	⊠ No ☐ Yes	Street Address: 2200 Mission College Boulevard					
	 Nature of Conveyance: 						
	☐ Security Agreement ☐ Change of Name	City: Santa Clara State: CA Zip: 95052					
	☐ Other	Country: USA					
	Execution Date: 9/28, 11/29, 12/14, 10/14, 11/30,						
	9/29/2004	Additional name(s)& address(es) attached? ■ No □ Yes					
	Application number(s) or patent number(s):						
	If this document is being filed together with a new application						
	A. Patent Application No.(s)	B. Patent No.(s) 9/29/2004 10/14/2004					
i	7 to 1 district pp. 100 to 1 (0)	11/29/2004					
	10/897609	11/30/2004					
	Additional numbers at	tached? ☑ No ☐ Yes					
	Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:					
	Name: Blakely, Sokoloff, Taylor & Zafman LLP	7. Total Fee (37 CFR 3.41)\$ 40.00 \(\overline{7} \) \(\overlin					
	Internal Address:	7. Total Fee (37 CFR 3.41)\$ 40.00 \$\infty\$ Enclosed \$\infty\$ Authorized to be charged to deposit account \$\infty\$ 8. Deposit Account Number:					
	Street Address: 12400 Wilshire Boulevard	Additionized to be charged to deposit ascounts					
	7th Floor	8. Deposit Account Number:					
	City: Los Angeles State: CA ZIP: 9002:						
	City: Los Angeles State: CA ZIP: 9002:	(Attach duplicate copy of this page if paying by deposit account)					
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	9. Statement and signature.						
	To the best of my knowledge and belief, the foregoing is true at	nd correct and any attached copy is a true copy of the original document					
12/21/2004	,						
01 FC:8021	40.00 DP	A)					
	Gregory D. Caldwell	All Described to 2004					
i	Name of Person Signing	December 14, 2004 Signature Date					
	Total number of pages including cover s	sheet, attachments, and document: 8					

Mail documents to be recorded with required cover sheet information to:
Mail Stop Assignment Recordation Services Director of the US Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450

Docket No. 42P19268

Attorney's Docket No.: 42P19268

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned:

Tim Frodsham; Naveen Cherukuri; Sanjay Dabral; David S. Dunning; Theodore Z. Schoenborn; Lakshminarayan Krishnamurty

hereby sell, assign, and transfer to:

Intel Corporation

a Corporation of Delaware, having a principal place of business at 2200 Mission College Boulevard, Santa Clara, California 95052 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the application for the United States patent that has been executed by the undersigned prior hereto or concurrently herewith on the dates indicated below and is entitled:

METHOD, SYSTEM, AND APPARATUS FOR LOOPBACK PARAMETER EXCHANGE

and in and to said application and all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said inventions and improvements; and in and to all rights of priority from the filing of said United States applications;

agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, power of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

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PATENT REEL: 016084 FRAME: 0139 covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please Sign and Date Below:				
28 Sext 20 Date	Name: Tim Frodsham			
Date	Name: Naveen Cherukuri			
Date	Name: Sanjay Dabral			
Date	Name: David S. Dunning			
Date	Name: Theodore Z. Schoenborn			
Date	Name: Lakshminarayan Krishnamurty			
Date	Name:			
 Date	Name:			

Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Boulevard, 7th Floor
Los Angeles, CA 90025

Telephone: (503) 439-8778

42P19268 Page 2 of 2

mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned. Each Inventor: Picase Sign and Date Below: Date Name: Tim Frodsham Nov 29, 2004 Date Date Name: Sanjay Dabral Date Name: David S. Dunning Date Name: Theodore Z. Schoenborn Date Name: Lakshminarayan Krishnamurty Date Name: Date Name: Date Name: Date Name: Date Name: Assignment Document Return Address: BLAKELY, SOKOLOFF, TAYLOR & ZAPMAN LLP 12400 Wilshire Boulevard, 7th Floor Los Angeles, CA 90025 Telephone: (503) 439-8778 42P19268 Page 2 of 2

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Each I	inventor:	Please	Sign	and	Date	Below	•

Date	Name: Tim Frodsham
Date 16 (] 4, 2004	Name: Naveen Cherukuri
Date	Name: Sanjay Dabral
Date	Name: David S. Dunning
Date	Name: Theodore Z. Schoenborn
Date	Name: Lakshminarayan Krishnamurty
Pate	Name:
Date	Name:

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PATENT REEL: 016084 FRAME: 0142 covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each	Inventor:	Please	Sign	and	Date	Below:

Date	Name: Tim Frodsham
Date	Name: Naveen Cherukuri
Date Co. 4. (1/2 2 2 4)	Name: Sanjay Dabral
Oct. 14, 2004 Date	Name: David S. Dunning
Date	Name: Theodore Z. Schoenborn
Date	Name: Lakshminarayan Krishnamurty
Date	Name:

Assignment Document Return Address:

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP 12400 Wilshire Boulevard, 7th Floor Los Angeles, CA 90025

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Date	Name: Sanjay Dabral
Date	Name: David S. Dunning
Date	Name: Theodore Z. Schoenborn
9/29/04	harslein -
Date	Name: Lakshminarayan Krishnamurty
Date	Name:

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PATENT REEL: 016084 FRAME: 0145